

Assignment –4

Form Creation

Welcome admin

[Logout](#)

×

Save your password?

Your password will autofill the next time and will be saved to your device

Username

admin

Password

••••••••

Save Not now

localhost:8080/Assignment2/Student X | New tab

localhost:8080/ApplicationMCA/Login.jsp

Login Form

Username:

admin

Password:

••••••••

Login

Assignment –4

Form Creation

The image displays two screenshots of the Eclipse IDE, illustrating the development of a web form.

Top Screenshot: Studentinfo.java

```
1 package com.MCA;
2
3 import jakarta.servlet.ServletException;
4 import jakarta.servlet.annotation.WebServlet;
5 import jakarta.servlet.http.HttpServlet;
6 import jakarta.servlet.http.HttpServletRequest;
7 import jakarta.servlet.http.HttpServletResponse;
8 import java.io.IOException;
9 import java.io.PrintWriter;
10
11 @WebServlet("/Studentinfo")
12 public class Studentinfo extends HttpServlet {
13
14
15
16     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
17         // TODO Auto-generated method stub
18         String name=request.getParameter("name");
19         String mobilenumber=request.getParameter("mobile");
20         String email=request.getParameter("email");
21
22         response.setContentType("text/html");
23         PrintWriter out=response.getWriter();
24         out.println("<h2>Form Data:</h2>");
25         out.println("Name:"+name);
26         out.println("mobile:"+mobile);
27         out.println("email:"+email);
28         out.close();
29
30     }
31
32
33
34
35
36 }
37
```

Bottom Screenshot: StudentForm.html

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="UTF-8">
5 <title>Please enter details</title>
6 </head>
7 <body>
8 <form method="post" action="Studentinfo">
9 <hr>
10
11 Name:<input type="text" name="name"><br>
12 mobile:<input type="text" name="mobile"><br>
13 Email:<input type="text" name="email"><br>
14
15 <input type="submit" value="send">
16
17 </form>
18
19 </body>
20 </html>

```

The bottom screenshot also shows the Project Explorer on the left, indicating the project structure, and the Servers tab at the bottom, showing the Tomcat v10.1 Server at localhost [Started, Synchronized].

Assignment –4

Form Creation

```
1 package com.apps;
2
3 import jakarta.servlet.ServletException;
4 import jakarta.servlet.annotation.WebServlet;
5 import jakarta.servlet.http.HttpServlet;
6 import jakarta.servlet.http.HttpServletRequest;
7 import jakarta.servlet.http.HttpServletResponse;
8 import jakarta.servlet.http.HttpSession;
9
10 import java.io.IOException;
11
12 @WebServlet("/LogoutServlet")
13 public class LogoutServlet extends HttpServlet {
14
15     protected void doGet(HttpServletRequest request, HttpServletResponse response)
16         throws ServletException, IOException {
17
18         HttpSession session = request.getSession(false);
19
20         if(session != null){
21             session.invalidate();
22         }
23
24         response.sendRedirect("Login.jsp");
25     }
26 }
27
```

```
1 package com.apps;
2
3 import jakarta.servlet.RequestDispatcher;
4 import jakarta.servlet.ServletException;
5 import jakarta.servlet.annotation.WebServlet;
6 import jakarta.servlet.http.HttpServlet;
7 import jakarta.servlet.http.HttpServletRequest;
8 import jakarta.servlet.http.HttpServletResponse;
9 import jakarta.servlet.http.HttpSession;
10
11 import java.io.IOException;
12
13 @WebServlet("/LoginServlet")
14 public class LoginServlet extends HttpServlet {
15
16     protected void doPost(HttpServletRequest request, HttpServletResponse response)
17         throws ServletException, IOException {
18
19         String name = request.getParameter("user");
20         String pass = request.getParameter("password");
21
22         if (name.equals("admin") && pass.equals("admin123")) {
23
24             HttpSession session = request.getSession();
25             session.setAttribute("user", name);
26
27             response.sendRedirect("Dashboard.jsp");
28
29         } else {
30
31             request.setAttribute("error", "Username and Password are incorrect");
32             RequestDispatcher rd = request.getRequestDispatcher("Login.jsp");
33             rd.forward(request, response);
34         }
35     }
36 }
37
```

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Form Creation

The screenshot displays the Eclipse IDE interface for a Java web application. The Project Explorer on the left shows the project structure for 'ApplicationMCA', 'Assignment', and 'Assignment2'. The main editor displays the 'Login.jsp' file, which contains an HTML form with fields for Username, Password, and a Login button. Below the form, there is a commented-out section for an error message. The bottom status bar indicates the Tomcat v10.1 Server at localhost is running.

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2   pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6   <meta charset="UTF-8">
7   <title>Login Page</title>
8 </head>
9 <body>
10
11 <h2>Login Form</h2>
12
13 <form action="LoginServlet" method="post">
14
15   <label>Username:</label><br>
16   <input type="text" name="user"><br><br>
17
18   <label>Password:</label><br>
19   <input type="password" name="password"><br><br>
20
21   <input type="submit" value="Login">
22
23 </form>
24
25 <br>
26
27 <!-- Error Message -->
28 <%
29   String error = (String) request.getAttribute("error");
30   if(error != null){
31     %>
32       <p style="color:red;"><%= error %></p>
33     <%
34   }
35 %>
36
37 </body>
38 </html>
```

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2   pageEncoding="UTF-8"%>
3
4 <%
5   String user = (String) session.getAttribute("user");
6   if(user == null){
7     response.sendRedirect("Login.jsp");
8     return; // stop further execution
9   }
10 %>
11
12 <!DOCTYPE html>
13 <html>
14 <head>
15   <meta charset="UTF-8">
16   <title>Dashboard</title>
17 </head>
18 <body>
19
20 <h2>Welcome <%= user %></h2>
21
22 <br>
23
24 <a href="LogoutServlet" >Logout</a>
25
26 </body>
27 </html>
```